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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/784,138	02/16/2001	Norimasa Sagawa	016889/0806	3529

22428 7590 10/28/2005

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EXAMINER

NAKARANI, DHIRAJLAL S

ART UNIT	PAPER NUMBER
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1773

DATE MAILED: 10/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No.	Applicant(s)	
	09/784,138	SAGAWA ET AL.	
	Examiner	Art Unit	
	D. S. Nakarani	1773	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 August 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. Claims 1-11 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Young et al (U. S. Patent 6,342,762 B1) in view of Greigger (U. S. Patent 4,435,219), Hayashi et al (U. S. Patent 5,693,690) and, as an evidence, Itoh et al (U. S. Patent 5,624,998) for the reasons of record set forth in paragraph 4 of the Office Action mailed May 10, 2005 (Paper No. 20050501).
3. Applicant's arguments filed August 10, 2005 have been fully considered but they are not persuasive. In reference to rejection of claims 1-11 under 35 USC §103(a) as being unpatentable over Young et al (U. S. Patent 6,342,762 B1) in view of Greigger (U. S. Patent 4,435,219), Hayashi et al (U. S. Patent 5,693,690) and, as an evidence, Itoh et al (U. S. Patent 5,624,998), applicants mainly argue that the Office Action acknowledges that Young and Greigger fail to disclose the claimed red rouge pigment particle size, but sullies Hayashi and Itoh for disclosing iron oxide particle sizes. Applicants state that claimed invention is not obvious in view of Hayashi or Itoh because Hayashi fails to recognize the importance the iron oxide particle size and other composition parameters in thermal cracking resistance, and stable long term yellow luminescence. While Hayashi provides a resin composition with suppressed deterioration, Hayashi does not disclose that this suppressed deterioration is due to the

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particle diameter. Hayashi discloses the suppressed deterioration is due to the shape of the particles, the presence of silicon on the surface of the iron oxide particles. Itoh fails to cure the deficiencies because Itoh only teaches that metal oxide particle diameter is an important factor in producing a transparent aqueous gel. Itoh also does not recognize the importance of iron oxide particle size and other composition parameters in thermal cracking resistance, and stable long term yellow luminescence.

These arguments are unpersuasive because the invention as claimed does not require any thermal cracking resistance as argued nor it specify minimum required time period for yellow luminescence. Hayashi clearly suggest spherical iron oxide particles providing suppressed deterioration of resin. Hayashi's Example utilizes iron oxide particles having average particle size of about 0.22 microns, which falls within the claimed range. The claimed invention is an open language and inclusive of iron oxide particles having silicon on the surface.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. S. Nakarani whose telephone number is (571) 272-1512. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571) 272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



D. S. Nakarani
Primary Examiner
Art Unit 1773

Dsn
October 26, 2005